

21,319

R. W. GILPIN-

LE 5.04

TECHNIC

ELECTRICAL

WORKS



Catalogue No. 1

Railway Material

1895



ANNOUNCEMENT.

In offering this partial list of specialties to the trade a word of explanation may not be out of place.

We are prepared to furnish our customers all fittings and supplies for electrical work, whether railway line or station material. We also design and manufacture contractors tools and supplies.

The articles in the following list are all of our own manufacture and have been thoroughly tested in actual use.

We invite correspondence and shall be pleased to supply additional information and furnish estimates for any work in our line.



NOTICE.

Terms—net cash, 30 days.

Prices subject to change without notice.

Packing charged at cost. All proper precautions are taken to have goods reach customers promptly and safely, but our responsibility ceases when the carrier receipts for them in apparent good order.

Give explicit shipping directions, naming route and whether by freight or express.



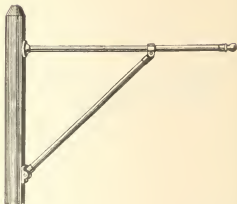
Line Material.

Brackets and Pole Fittings.



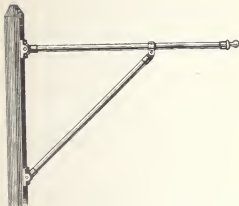
No. 101.

- | | | |
|------|---|--------|
| 101 | Cast Iron Bracket, sold with arm 6 feet long, 1 1/2 inch pipe | \$2.00 |
| 102 | Pipe Bracket, arm 6 1/2 feet, 1 1/2 inch pipe; brace, 5 feet 1 inch pipe, flattened on inner end and bent to obtain bearing on pole, screws into Y on arm | 1.85 |
| 102' | Same as 102 with ornament at end of arm | 2.00 |



103.

- 103 Pipe Bracket, arm $6\frac{1}{2}$ feet $1\frac{1}{2}$ inch pipe;
brace, 5 feet 1 inch pipe; joint fittings malleable and wrought iron \$2.40
- 103 $\frac{1}{2}$ Pipe Bracket, arm $6\frac{1}{2}$ feet $1\frac{1}{2}$ inch pipe;
fittings heavy cast iron (same in appear-



104

104 "Teck" Adjustable Bracket, arm $6\frac{1}{2}$ feet
1 $\frac{1}{2}$ inch pipe; brace, 5 feet 1 inch pipe;
this bracket has both arm and brace hinged,
giving a range of adjustment greater
than that of any other on the market; all
fittings malleable or wrought iron . . . \$2.60

of the line, and will therefore, run smoothly without jumping. The "Gravity Bracket" consists of an arm extending about 12 inches beyond the trolley wire, and having a short piece at the end extending downward. A span wire extends from the pole to the yoke carrying a roller which travels on the short piece. A spring placed under the yoke relieves the trolley wheel when it is passing the bracket, and permits the trolley wire to yield as much there as elsewhere. Arm, .6½ feet 1½ inch pipe, held by tie rod.

105	"Teck" gravity bracket as above	\$2.90
106	Arm supported by divided pipe brace, similar to 103	4.00
107	Arm supported by casting same as 101, cored for eyebolt	3.65
108	Same as 107, Span Wire without gravity attachment	2.90

Iron Cross Arms.

110	Cross Arm, for 2 wooden pins 1½ inch Diameter	\$1.20
111	Cross Arm, for 4 wooden pins 1½ inch diameter	1.70
112	Cross Arm, for 6 wooden pins 1½ inch diameter Pins not included; will furnish if desired.	2.50
113	Cross Arm, with 2 cast iron pins	1.35
114	" " 4 " "	2.25
115	" " 6 " "	3.00
116	" " 2 wrought iron pins	1.70

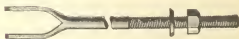
117	Cross Arm, with 4 wrought iron pins . . .	2.90
118	" " 6 " " . . .	4.50
119	Cast Iron Bracket, for Single Feeder Insulator40

Forgings for Poles.



122

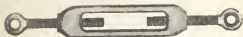
122	Eyebolt, $\frac{3}{8}$ x 12 inches, plain . . .	\$.10
123	" $\frac{1}{2}$ x 12 " "12
124	" $\frac{3}{8}$ x 12 " "15
125	" $\frac{3}{8}$ x 12 " galvanized13
126	" $\frac{1}{2}$ x 12 " "15
127	" $\frac{3}{8}$ x 12 " "18



128

(Insulator and bolt extra.)

128	Fork Bolt, $\frac{3}{8}$ x 14 inches, plain . . .	\$.28
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130

130	Turnbuckle,	$\frac{1}{2}$ x 12 inches,	plain	\$.45
131	"	$\frac{3}{8}$ x 16	" "	
132	"	$\frac{1}{4}$ x 20	" "	
133	"	$\frac{1}{2}$ x 12	" galvanized	.55
134	"	$\frac{3}{8}$ x 16	" "	
135	"	$\frac{3}{4}$ x 29	" "	



136

136	Pole Clamp	$\frac{1}{4}$ x $1\frac{1}{4}$ in.,	2 bolts, 4 in pole	\$.15
137	"	" " "	5 " "	.20
138	"	" " "	9 " "	.25
139	Split Clamp,	4 in. pole,		.25
140	"	5 " "		.28
141	"	6 " "		.30
142	Step for wooden pole,	$\frac{3}{8}$ x 10 in.	net	.05
143	Step for iron pole			.20

Line Supplies.

All of our overhead metal parts are made of high grade bronze, thoroughly cleaned, dipped, ground true to size and well tinned for soldering.

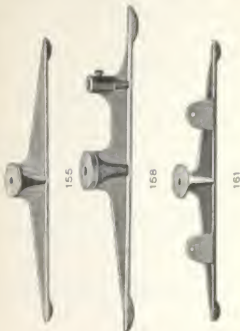
In ordering, name size of wire which they should fit.

Mechanical Trolley Wire Clip.

This clip consists of two complementary parts which interlock and also overlap so that they cannot pass each other. The wire is held in the jaws by the pressure of a set-screw clamping them upon it. The set-screw is placed in an inclined position on the side of the clip, preventing the disengagement of the parts, and is held permanently in place by a jam nut. It secures a firm grip on the wire without encircling it and leaves the under side free for contact with the trolley wheel, reducing sparking to a minimum.

It is not necessary to take down the insulator to put up this clip.





Figures 153, 155, 158, and 161 show the "West End" and the "Standard" and "New and Improved" Types of Apparatus.

153	1/2 inch diameter bar	\$ 1.00
154	1/4 inch diameter bar	1.00
155	1/2 inch diameter bar	1.00
158	1/2 inch diameter bar	1.00

TECHNICAL ELECTRICAL WORKS.

157	14	inch West End	.40
158	14	Standard Feeder Ear	.50
159	15	West End	.50
160	15	Strain	.60
161	15	Standard	.60
162	15	Splicing	.90
163	15	West End	.90

"Teck" Splice for Trolley Wire. Feeder Wire and Cable.

This splice is attached by simply hack-sawing the ends of the wire longitudinally, raising them into the sleeve, spreading the parts and filling the interstices with solder completing the joint. With heavy cables it is only necessary to separate the strands inside the sleeve previous to introducing the solder.

Its cross section is so small that the trolley passes it without sparking.



164

164	Trolley Wire Splice for No. 5 wire	\$.70
165	" " " " " "	.80
166	Solid Feeder " " " "	.60
167	" " " " " "	.70
168	" " " " " "	.80
169	" " " " " "	.90

170	Stranded Feeder	1/2" dia for No. 100	100 ft	75
171	"	"	"	100
172	"	"	"	100



176

174	R. H. Frog	\$1.00
175	L. H. "	1.00
176	V. "	1.00
177	V. " Non-adjustable Frog	1.00



178

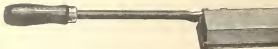
178	Adjustable Crossing	\$1.75
179	Right angle Crossing	2.00
180	" Allen" Crossing	2.00



181

181 Insulated Crossing	\$
182 Line Break	5.50

Soldering Iron.



183

Our soldering iron is made of heavy copper casting, neatly finished, with deep, well tinned groove for holding trolley wire ear.

183	\$2.60
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Trolley Poles.

184 12, 13 and 14 feet long	\$2.50
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Young Man

For the purpose of the present survey, the young man is defined as a person who is under the age of 21 years.

Age Group	
15-17	100
18-20	100
21-23	100
24-26	100
27-29	100
30-32	100
33-35	100
36-38	100
39-41	100
42-44	100
45-47	100
48-50	100
51-53	100
54-56	100
57-59	100
60-62	100
63-65	100
66-68	100
69-71	100
72-74	100
75-77	100
78-80	100
81-83	100
84-86	100
87-89	100
90-92	100
93-95	100
96-98	100
99-101	100

Young Woman

For the purpose of the present survey, the young woman is defined as a person who is under the age of 21 years.

Age Group	
15-17	100
18-20	100
21-23	100
24-26	100
27-29	100
30-32	100
33-35	100
36-38	100
39-41	100
42-44	100
45-47	100
48-50	100
51-53	100
54-56	100
57-59	100
60-62	100
63-65	100
66-68	100
69-71	100
72-74	100
75-77	100
78-80	100
81-83	100
84-86	100
87-89	100
90-92	100
93-95	100
96-98	100
99-101	100

Young Lady

For the purpose of the present survey, the young lady is defined as a person who is under the age of 21 years.

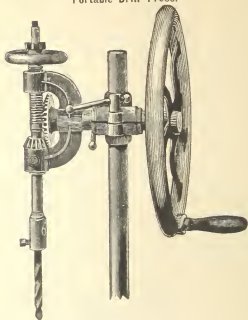
For the purpose of the present survey, the young lady is defined as a person who is under the age of 21 years.



Fig. 1

Age Group	
15-17	100
18-20	100
21-23	100
24-26	100
27-29	100
30-32	100
33-35	100
36-38	100
39-41	100
42-44	100
45-47	100
48-50	100
51-53	100
54-56	100
57-59	100
60-62	100
63-65	100
66-68	100
69-71	100
72-74	100
75-77	100
78-80	100
81-83	100
84-86	100
87-89	100
90-92	100
93-95	100
96-98	100
99-101	100

Portable Drill Press.



195

This Drill Press is the outcome of long experience in indoor and outside work. We found no drill press in the market entirely suited to the wants of our customers, and by successive steps have brought the one above shown to a high degree of efficiency and durability.

195 Drill Press \$22.50

"Teck" Rail Bond.

END VIEW.

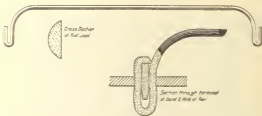


SIDE VIEW

This bond is designed to give a reliable rail connection at small cost, as it requires no skilled labor to put it in place. It consists of a soft copper rod, of the same diameter as the holes in the rails, bent and split or slotted at the ends. A wedge is driven into the slots at the bend, after the bond has been placed in position, causing the copper

to flow over the edges of the hole, forcing it against the walls of the hole and spreading the ends, so that it is firmly secured in place and a perfect contact with the rail is obtained. It has shown one-third the resistance of channel pin bonding, and it can be put in position in one-half the time. Made in nine-sixteenth inch and one-half inch straight rod. Prices on application.

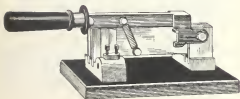
Improved "Teck" Bond.



This is a modification of the "Teck" bond by which a very much increased area of contact between the copper and the rail is obtained, the full carrying capacity being thus utilized. This makes an equally efficient bond at smaller cost. A hard copper wedge is used.

Switches.

Quick Break Section Switch.



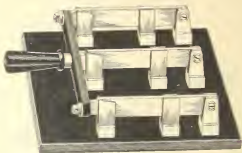
120

This Switch has been designed to prevent arcing in cutting out the trolley wire. It is very rapid in its action and will meet all requirements.

Furnished with an iron box, lined with asbestos and coated with insulating compound. The bottom of the box is slotted allowing the blade to pass through it in opening, so that the door can be locked when switch is open, preventing any interference with the line

120	200 ampers	\$12.80
121	500 "	17.20

Station Switches.



This cut shows our type "B" switch for station work. We shall be happy to forward our catalogue of switches in separate cover to anyone interested, upon application.







